

Business and Enterprise Solutions

DXS-3350SR



FEATURES

High Performance Switching:

- Integrated Dual 10-Gig Stacking Ports
- Recoverable Ring or Star Stacking Architecture
- Stack Up to 8 Units Per Stack
- Optional Redundant Power Support
- Optional 10G uplink support
- 802.3ad (Link Aggregation)
- 802.1w (Rapid Spanning Tree)
- RIPv1/v2, OSPF & DVMRP
- 802.1s, 802.1v
- IP Multinetting

Network Management:

- Console
- Telnet
- SNMPv1/v2/v3
- RMON (4 Groups)
- Web GUI
- Port Mirroring (1:23:)
- Syslog
- Single IP Address Management
- SSH, TACACS+, SSL
- ACL L2/L3/L4

Advanced Standards Based Enterprise Features:

- 802.1p Priority (8 Queues)
- DiffServ QoS
- 802.1x (Port Based Authentication)
- 802.1x (MAC Based Authentication)
- 802.1q VLANs (Up to 4000 Groups)
- IGMP Snooping
- VRRP redundancy
- Radius Client



Multilayer Switch

48-Port 10/100/1000 Managed Stackable Switch with (4) Combo SFP Ports, Integrated 10-Gig Stacking, and Optional 10-Gig Uplinks

D-Link's xStack Switches are a series of "Next Generation" high performance stackable switches that deliver high scalability, wire-speed Gigabit performance, high availability, integrated 10-Gigabit stacking, redundant power options, and the option to stack in a "ring" or "star" topology. The xStack DXS-3350SR stacks up to 8 units in a stack, providing up to 384 Gigabit ports, and up to 40Gbps of stacking bandwidth. It can stack with the other xStack switches like the DGS-3324SR, DGS-3324SRi, and DXS-3326GSR, providing unprecedented flexibility. It provides 48 built-in copper Gigabit ports, including (4) Combo SFP ports supporting either copper links or SFP adapters for easy, flexible connection to fiber-based Gigabit media and a switching capacity of up to 176Gbps.

High Availability

In a ring stacking topology, the DXS-3350SR supports "Shortest-Path" switching which improves resiliency, uptime and network efficiency. It also supports an optional Redundant Power Supply (DPS-500). It includes support for 802.3ad Link Aggregation, 802.1d Spanning Tree, and 802.1w Rapid Spanning Tree for increased network reliability and availability.

Network Management

The DXS-3350SR features a variety of network management options: console CLI, telnet, web, SNMPv1/v2/v3, RMON, TFTP, Port Mirroring, BootP, and DHCP. It also supports a variety of advanced traffic management options including: 802.1x, Bandwidth Control, Broadcast Storm Control, and support for IGMP Snooping v1/v2/v3. D-link exclusive SIM technology is also supported. This feature allows up to 32 units of D-link switches to be managed under a single IP, regardless of it's physical environment.

Advanced Enterprise Features

The DXS-3350SR provides a robust and consistent set of QoS/CoS, VLAN, and Security features. It supports 8 priority queues for 802.1p/ToS/DiffServ, with classification and marking based on MAC SA/DA, IP SA/DA, and/or TCP/UDP. Layer 3 dynamic routing protocols include: RIPv1/v2, OSPFv2, PIM-DM, and DVMRP. Security features include: 802.1x (Port/MAC-based Authentication), port security, and Access Control Lists (ACL) based on MAC address, IP address, and/or TCP/UDP port numbers. It also provides extensive support for GARP/GVRP, 802.1q, and port-based VLANs for up to 4000 static groups per device.

The DXS-3350SR is the latest example of D-Link's continued commitment to our channel partners and customers to be the industry leader in cost-effective, reliable, high performance, feature-rich switches.



DXS-3350SR

Technical Specifications

DXS-3350SR	48-Port 10/100/1000 Managed Switch with (4) Combo SFP Ports, Integrated 10-Gig Stacking, and Optional 10-Gig Uplinks
Max Units In A Stack	8 Units Per Stack (in Ring Topology)
MAC Address Table Size	16,000
Switch Fabric	Up to 176Gbps Capacity
Transmission Method	Store-and-Forward
VLANs	Supports Up To 4000 Static VLAN Groups/Up To 255 Dynamic (Port Based/802.1p/GARP/GVRP)
Integrated Stacking Ports	Two 10-Gig Ports - Each Supporting Up To 20Gbps (Full Duplex)
QoS/CoS	8 Hardware Queues (802.1p/ToS/DiffServ) - Strict Priority or Weight Round Robin Queue Scheduling
Classification QoS/ACLs	MAC Address, IP Address, TCP/UDP Port Number or payload, physical port, DSCP, 802.1p
Supported Routing Protocols	Static Routes, RIPv1/v2, OSPF, PIM-DM, and DVMRP

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
LC	With optional Standard Small Form-Factor Pluggable (SFP) Gigabit Transceivers
	With optional 10Gigabit Module and XFP
Stacking Ports	Dual 10-Gigabit Stacking Ports
RPSU	Redundant Power Option Via Optional DPS-500

Network Management

In Band & Out of Band	Telnet, CLI/Console, RMON, Web-based HTTP, SNMPv1/v2/v3, Syslog, Port Mirroring, TFTP Client, BootP Client, DHCP Client, BootP/DHCP Relay Agent, and DNS Client
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Network Protocols and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree, 802.1p Priority Tags, 802.1q VLANs, 802.3ad Link Aggregation, 802.3x Flow Control, 802.1x Port-based Authentication, and 802.1x MAC-based Authentication, 802.1s (Multiple Spanning Tree), 802.1v (protocol-based VLANs)
IETF	RFC 1157 SNMP, RFC 1112/2236 IGMPv1/2, RFC 1757 RMON (4 Groups), RFC 1493 Bridge MIB, RFC 1213 MIB II, RFC 793 TCP, RFC 826 ARP, RFC 854 Telnet, RFC 1850 OSPF, and DiffServ

Electrical & Emissions Summary

Emissions	CE Mark & FCC Class A, IECES-003 Class, EN55022 Class A/EN55024
Power Supply	100-120, 200-240VAC, 50/60 Hz Internal Universal Power (Power consumption 147 Watts max)

Safety Agency Certifications and Environmental

Safety	CSA International
Physical and Environmental	
Temperature	Operating: 0° - 40° C (32° - 104° F) Storage: -25° - 55° C (-13° - 131° F)
Humidity	Operating: 5% to 95% RH, Non-Condensing Storage: 0% to 95% RH, Non-Condensing

Physical Specifications

Dimensions (W x D x H)	445mm x 430mm x 45mm (17.32x 16.93 x 1.73 in) 19-inch rack-mount width, 1.0U height
Weight	6.5kg (14.33lbs)

Warranty and Support Information

Warranty	Limited Lifetime Warranty for as long as the original customer/end user owns the product, or five years after product discontinuance, whichever occurs first (excluding power supplies and fans).
Support	Free Technical Support

Ordering Information

Part Number	Description
DXS-3350SR	48-Port 10/100/1000 Managed Switch with (4) Combo SFP Ports, Integrated 10-Gig Stacking, and Optional 10-Gig Uplinks
DEM-310GT	Mini-GBIC/SFP 1000BASE-SX (up to 550m)
DEM-311GT	Mini-GBIC/SFP 1000BASE-LX (up to 10Km)
DEM-314GT	Mini-GBIC/SFP 1000BASE-LH (up to 50Km)
DEM-315GT	Mini-GBIC/SFP 1000BASE-ZX (up to 80Km)
DEM-420X	2-Port 10Gigabit XFP uplink module (XFP transceivers sold separately)
DEM-421XT	10GBASE-SR Multi-Mode XFP up to 300m
DEM-422XT	10GBASE-LR Single-Mode XFP up to 10km
DPS-500	Redundant Power Supply
DPS-800	Redundant Power Supply Rack to carry up to 2 DPS-500
DEM-CB50	Spare 50cm 10-Gig Stacking Cable
DEM-CB100	100cm 10-Gig Stacking Cable (May be Required When Stacking More Than 5 Units In A Stack)